Title: Compositions and Methods for the Modulation of Gene Expression in Plants Inventor(s): Vance et al.

Application No: To be assigned

Atty Dkt No: 046795/265119

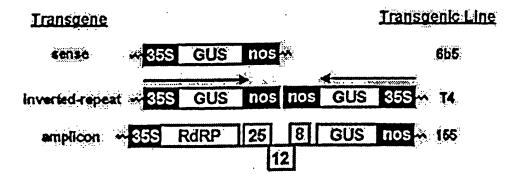


FIG. 1

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miRNA Pathway

miRNA

miRNP

RNA Silencing

siRNA

RISC

Amplicon Transgene IR Transgene Sense Transgène DNA transcription replication transcription folding **Aberrant RNA** transcription SGS2/SDE1, stimulate? SGS3, SDE3, AGO1 structured miRNA precursors **dsRNA** inhibit? RNase III stimulate? RNase III (Dicer) (Dicer) HC-Pro destabilizer

FIG. 2